1-1:11-(12:14)
(8-10)+(12:14)
(330) 376 29 10/6/3,197

CLAIMS

What is claimed is:

Organ 7/03/63 Feligi

Attitude

Organ 7/03/63 Feligi

Or

1. A floor cleaning unit comprising: 1 2 at least one PVC/NBR component selected from the group consisting of 3 seals, mounts, tubing, and contact members, said PVC/NBR component including a polyvinyl chloride base resin and, based upon 100 parts by weight of said 4 5 polyvinyl chloride base resin: 6 (a) from about 10 to about 50 parts nitrile rubber, as an impact 7 modifier: from about 30 to about 100 parts plasticizer; and 8 (b) 9 from about 1 to about 4 parts polyvinyl chloride stabilizer. (c) 2. A floor cleaning unit comprising: 1 2 a contact member including a polyvinyl chloride base resin; and 3 based upon 100 parts by weight of said polyvinyl chloride base resin: from about 20 to about 40 phr nitrile rubber, 4 (a) 5 (b) from about 60 to about 100 phr plasticizer. from about 1 to about 5 phr polyvinyl chloride stabilizer, б (c) 7 (d) from about 10 to about 15 phr epoxide plasticizer, 8 (e) from about 0.05 to about 0.4 phr internal lubricant, and 9 (f) from about 0.7 to about 1.5 phr external lubricant. 1 3. A floor cleaning unit of claim 2, wherein, based upon 100 parts by weight of said 2 polyvinyl chloride base resin, said contact member includes: 3 (a) from about 25 to about 35 phr nitrile rubber.

4 (b) from about 70 to about 90 phr plasticizer,
5 (c) from about 2 to about 4 phr polyvinyl chloride stabilizer,
6 (d) from about 12 to about 14 phr epoxide plasticizer,
7 (e) from about 0.1 to about 0.3 phr internal lubricant, and
8 (f) from about 0.8 to about 1.2 phr external lubricant.

Markweler 1262

1	4.	The floor cleaning of claim 3, wherein, based upon 100 parts by weight of said		
2		polyvinyl chloride base resin, said contact member includes:		
3		(a)	30 phr nitrile rubber,	
4		(b)	about 80 phr plasticizer,	
5		(c)	about 3 phr polyvinyl chloride stabilizer,	
6		(d)	about 13 phr epoxide plasticizer,	
7		(e)	about 0.2 phr internal lubricant, and	
8		(f)	about 1,05 phr external lubricant.	
1	5.	A floor cleaning unit comprising:		
2		a sealing member including a polyvinyl chloride base resin; and		
3		based upon 100 parts by weight of said polyvinyl chloride base resin:		
4		(a)	from about 20 to about 40 phr of nitrile rubber,	
5		(b)	from about 60 to about 100 phr of plasticizer,	
6		(c)	from about 1 to about 5 phr of polyvinyl chloride stabilizer, and	
7		(d)	from about 10 to about 15 phr of epoxide plasticizer.	
1	6.	The floor cleaning unit of claim 5, wherein, based upon 100 parts by weight of said		
2		polyvinyl ch	loride base resin, said sealing member includes:	
3		(a)	from about 25 to about 35 phr of nitrile rubber,	
4		(b)	from about 70 to about 90 phr of plasticizer,	
.5		(c)	from about 2 to about 4 phr of polyvinyl chloride stabilizer, and	
6.		(d)	from about 12 to about 14 phr of epoxide plasticizer.	
1	7.	The floor cle	aning unit of claim 6, wherein, based upon 100 parts by weight of said	
2		polyvinyl chloride base resin, said sealing member includes:		
3		(a)	about 30 phr of nitrile rubber,	
4		(b)	about 80 phr of plasticizer,	
5		(c)	about 3 phr of polyvinyl chloride stabilizer, and	
6		(d)	about 13 phr of epoxide plasticizer.	

1	8.	A floor cleaning unit comprising:			
2		a foamed sealing member including a polyvinyl chloride base resin, and			
3		based upon 100 parts by weight of said polyvinyl chloride base resin:			
4		(a)	from about 20 to about 40 phr of nitrile rubber,		
5		(b)	from about 75 to about 125 phr of plasticizer,		
6		(c)	from about 1 to about 5 phr of polyvinyl chloride stabilizer,		
7		(d)	from about 10 to about 15 phr of epoxide plasticizer,		
8		(e)	from about 0.5 to about 1.5 phr of blowing agent.		
1	9.	The floor cleaning unit of claim 8, wherein, based upon 100 parts by weight of said			
2	•	polyvinyl ch	loride base resin, said foamed sealing member includes:		
3		(a)	from about 25 to about 35 phr of nitrile rubber,		
4		(b)	from about 85 to about 95 phr of plasticizer,		
5		(c)	from about 2 to about 4 phr of polyvinyl chloride stabilizer,		
6		(d)	from about 12 to about 14 phr of epoxide plasticizer,		
7		(e)	from about 0.75 to about 1.25 phr of blowing agent.		
1	10.	The floor cle	he floor cleaning unit of claim 8, wherein, based upon 100 parts by weight of said		
2		polyvinyl chi	plyvinyl chloride base resin, said foamed sealing member includes:		
3		(a)	about 30 phr of nitrile rubber,		
4		(b)	about 100 phr of plasticizer,		
5		(c)	about 3 phr of polyvinyl chloride stabilizer,		
6		(d)	about 13 phr of epoxide plasticizer,		
7		(e)	about 1 phr of blowing agent.		
1	11.	A floor cleaning unit comprising:			
2		tubing including a polyvinyl chloride base resin; and			
3		based	upon 100 parts by weight of said polyvinyl chloride base resin:		
4		(a)	from about 20 to about 40 phr of NBR;		
5		(b)	from about 50 to about 80 phr of plasticizer;		
6		(c)	from about 1 to about 5 phr of PVC stabilizer;		
7		(d)	from about 3 to about 8 phr of epoxide plasticizer;		

8		(e) from about 5 to about 15 phr filler;		
9		(f) from about 0.05 to about 0.4 phr internal lubricant; and		
10		(g) from about 0.5 to about 1.2 phr external lubricant.		
1	12.	A process for producing a soft durometer polyvinyl chloride compound comprising		
2		the sequential steps of:		
3		adding PVC resin to a mixer and heating, under agitation, to a temperature		
4		of from about 140°F to about 170°F;		
5		adding plasticizer and stabilizer to the PVC resin and raising the		
6		temperature to from about 185°F to about 195°F;		
7		adding at least one ingredient selected from fillers, blowing agents,		
8		pigments, internal lubricants and external lubricants and raising the temperature		
9		to from about 220°F to about 240°F		
10		transferring the resultant mixture to a cooling mixer and lowering the		
11		temperature to the range of from about 120°F to about 70°F;		
12		adding nitrile rubber to the cooled mixture; and		
13		feeding the resultant nitrile rubber mixture to an extruder to shear and fuse		
14		the mixture at a temperature of from about 280°F to about 350°F.		
1	13.	The process of claim 12, further comprising the step of:		
2		pelletizing the nitrile rubber mixture at the extruder.		
1	14.	The process of claim 13, further comprising the step of:		
2		forming the pellets into an element of a floor cleaning unit, the element		
3		being selected from the group consisting of sealing members, mounts, tubing and		
4		contact members		